Pi BOX 5





Pi BOX 5 – Raspberry Pi for Industrial Applications

The Pi BOX 5 from spo-comm combines the technology of the Raspberry Pi Compute Module 5 with a fanless industrial enclosure, making it suitable for a wide range of embedded and industrial applications. Whether for industrial automation, IoT gateways, machine visualization, or digital signage—this compact computing solution opens up a wide range of possibilities for professional applications. The Raspberry Pi platform offers a powerful ARM architecture and an established software ecosystem for custom applications.

Technische Daten

General

CPU	Broadcom BCM2712 Quad-Core ARM Cortex-A76 (64-bit, up to 2.4 GHz)
Applications	Embedded Computing, Industry, IoT, Automation, Digital Signage
Ambient conditions	0°C up to +40°C
Cooling	passive

Power supply

DC In	5.1V / 5A / 25.5W (USB-C)

Connections

Video output	HDMI 2.0

spo-comm GmbH
Otto-Kraus-Strasse 4c
D-90411 Nürnberg

Telefon : +49 (0) 911 / 23 98 37 - 0
Fax : +49 (0) 911 / 23 98 37 - 19
E-Mail: info@spo-comm.de

Vertretung durch
Geschäftsführer
Sporrer Michael

Do you need consultation?
vertrieb@spo-comm.de
+49 (0) 911 - 23 98 37 - 0

Connections

HDMI 2.0	2
Gigabit LAN	1
USB 3.2 Gen 1×1	2
Micro-SD/SDHC/SDXC Card	1

Dimensions

Height	45 mm
Width	186 mm
Depth	97 mm
Wall bracket	included

Graphic

Integrated Graphics	Broadcom VideoCore VII GPU
Independent image output	2
Video Resolution	Up to 4096 x 2160 @ 60 Hz

Miscellaneous

Operating System	Raspberry Pi OS (Debian Trixie) Ubuntu 26.04.1 (Pi Port)
WiFi	Cypress CYW43455
Class A warning	The device is intended for use in an industrial environment. Operation of this device may cause radio interference in residential areas.
Warning for 802.11a use	If you want to use the WLAN module according to 802.11a in the 5 GHz range: Use in the 5150 MHz – 5350 MHz frequency range is only permitted indoors!
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